AMENDMENTS TO THE CLAIMS

The following is a complete listing of revised claims with a status

identifier in parenthesis.

LISTING OF CLAIMS

1.   (Currently Amended) ~~An EDP-based~~ A method for creating a plant

concept from a plurality of plant components, comprising:

recording a desired specification of a technical plant using specification

data;

selecting, ~~from a stored supply of plant component types,~~ plant

component types required for satisfying the desired specification of the

technical plant from a stored supply of plant component types using a first

neural network, wherein the plant component types are selected based on the

specification data;

linking up the selected plant component types to form a plant

configuration, wherein the linking up occurs in such a way that in principle,

the plant configuration at least substantially satisfies the desired specification

of the technical plant; and

creating the plant concept from the plant configuration using a second

neural network, wherein the plant component types are replaced by plant

components, resulting in the plant concept describing an actually feasible

technical plant; wherein

the first and second neural networks are different.

2.   (Currently Amended) A configurator for creating a plant concept

from a plurality of plant components, comprising:

means for electronically recording specification data of a technical plant,

the specification data describing a desired specification of a technical plant;

a classification device based on a first neural network, adapted to select,

from a stored supply of plant component types, plant component types

required for satisfying the desired specification of the technical plant based upon the specification data and adapted to link up the selected plant component types to form a plant configuration in such a way that in principle, the plant configuration at least substantially satisfies the desired specification of the technical plant; and

a selection device <u>based on a second neural network different from the first neural network, the selection device being</u>[[,]] adapted to create from the plant configuration, the plant concept, wherein the plant component types are replaced by plant components, resulting the plant concept describing an actually feasible technical plant.

3.   (Currently Amended) The ~~EDP-based~~ method of claim 1, wherein the plant component types are selected based on the specification data using a classification device.

4.   (Currently Amended) The ~~EDP-based~~ method of claim 1, wherein the selected plant component types are linked up to form a plant configuration using a classification device.

5.   (Currently Amended) The ~~EDP-based~~ method of claim 3, wherein the selected plant component types are linked up to form a plant configuration using the classification device.

6.   (Currently Amended) The ~~EDP-based~~ method of claim 1, wherein a plant concept is created from the plant configuration using a selection device.

7.   (Currently Amended) The ~~EDP-based~~ method of claim 5, wherein a plant concept is created from the plant configuration using a selection device.

8.   (Currently Amended) ~~An EDP-based~~ <u>A</u> method for creating a plant concept from a plurality of plant components, comprising:

recording a desired specification of a technical plant using specification data;

selecting, from a stored supply of plant component types, plant component types required for satisfying the desired specification of the technical plant, wherein the plant component types are selected based on the specification data using a classification device, the classification device being based on a first neural network;

linking up the selected plant component types to form a plant configuration using the classification device, wherein the linking up occurs in such a way that in principle, the plant configuration at least substantially satisfies the desired specification of the technical plant; and

creating the plant concept from the plant configuration using a selection device, the selection device being based on a second neural network, wherein the plant component types are replaced by plant components, resulting in the plant concept describing an actually feasible technical plant; wherein

the second neural network is difference from the first neural network.

9. (Currently Amended) A configurator for creating a plant concept from a plurality of plant components, comprising:

means for electronically recording specification data of a technical plant, the specification data describing a desired specification of a technical plant;

means for selecting, from a stored supply of plant component types, plant component types required for satisfying the desired specification of the technical plant based upon the specification data, and for linking up the selected plant component types to form a plant configuration in such a way that in principle, the plant configuration at least substantially satisfies the desired specification of the technical plant; and

means for creating, from the plant configuration, the plant concept, wherein the plant component types are replaced by plant components,

resulting the plant concept describing an actually feasible technical plant; wherein

each of the means for selecting and the means for creating are based on a different neural network.